

Army Knowledge Management

"The Interoperability Enabler"

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Army Chief Information Officer // G-6

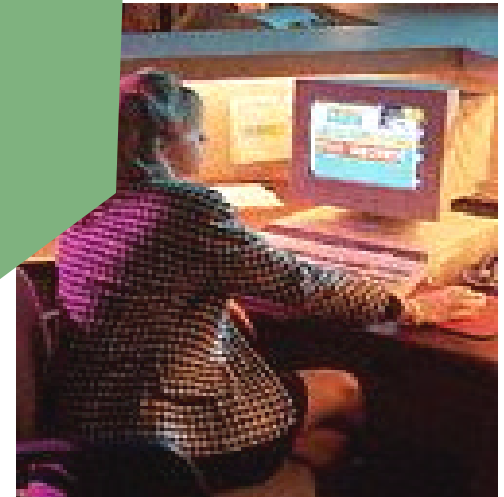
27 March 2002

Army Knowledge Management

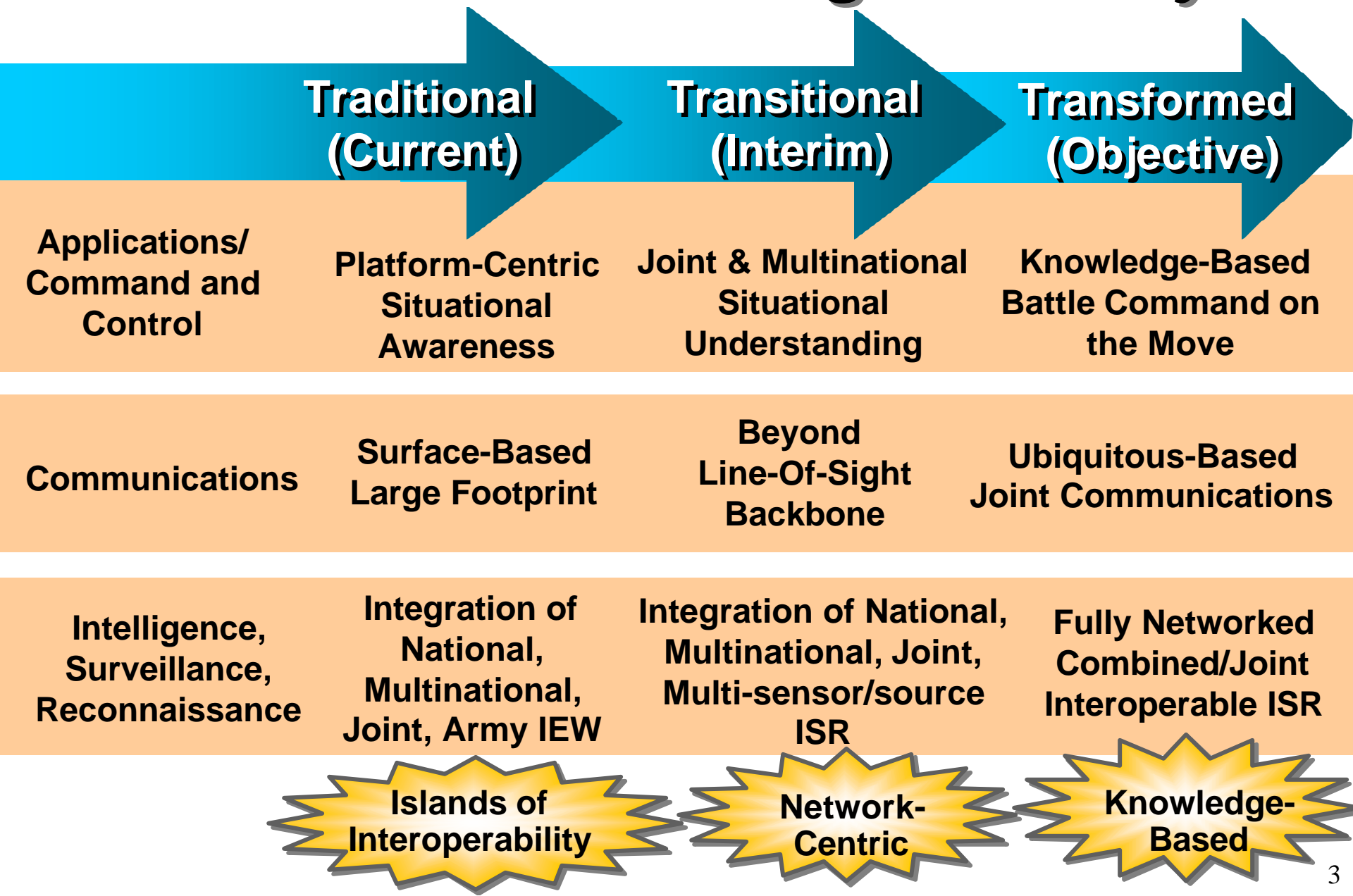


The Army strategy to transform itself into a network-centric, knowledge-based force. This effort is an integral part of Army Transformation.

AKM is intended to improve decision dominance by our warfighters and business stewards – in the battlespace, in our organizations, and in our mission practices.



AKM is Transforming the Army



Interoperability ToolKit



The Army's Knowledge Portals

INTELINK

- Opns and Intell TS/SCI primary users

JWICS (Top Secret)

AKO-S

- Opns and Intell primary users
- Secret and below content
- Secure web email

AKO (Secret)

4,652
accounts

➤ SIPRNet

➤ NIPRNet

AKO (Sensitive But Unclass)

- The Army's daily workhorse
- 128 bit encryption security
- PKI enabled Email

910,000
accounts

➤ NIPRNet

➤ Internet

The Army Homepage (Unclass)

- The Army's public Web site
- Unrestricted access
- Content updated daily by CSA Strategic Communications Group

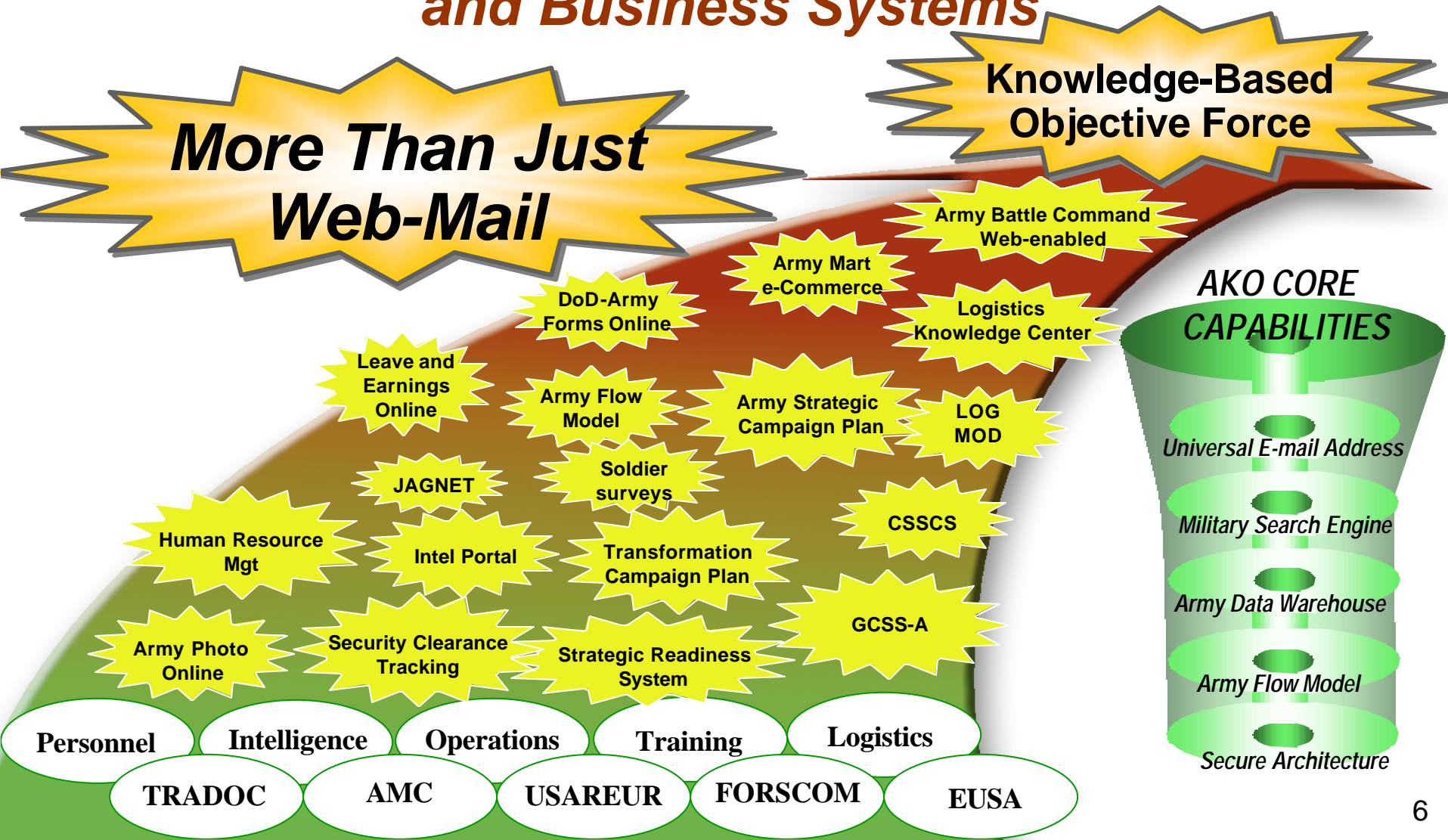


Army Knowledge Online ... One Stop

Migration of Army Battle Command and Control and Business Systems

**More Than Just
Web-Mail**

**Knowledge-Based
Objective Force**



The Collaborative Interoperable Vision

Seamless collaboration across geographic, temporal, operational, and organizational boundaries

**Multicasting, Mobility
High Speed Networking
Fault Tolerance, QOS**

Infrastructure

Scalability Distribution Components

Architectures

Process/Workflow Application Sharing Context Exchange

Semantic Collaboration

Audio
Video
Chat

Conferencing

Whiteboard Documents Files

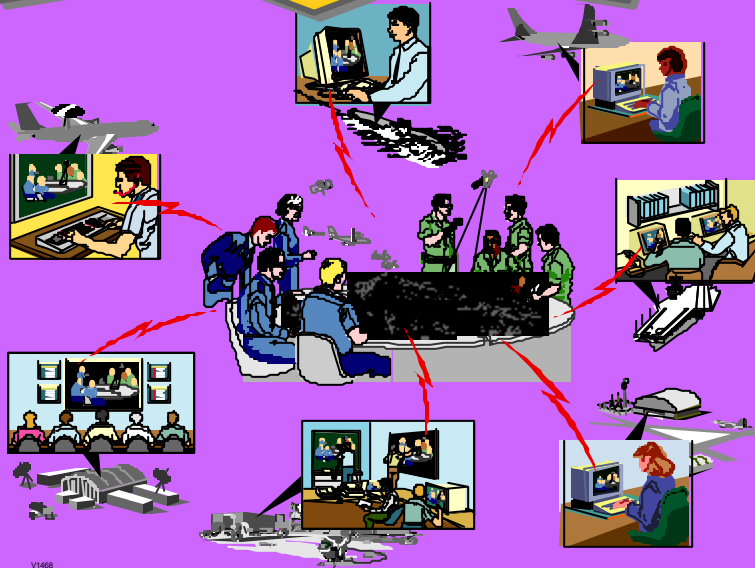
Shared Data

VPNs
Extranets
PKI

Security

**Intelligent agents that log, filter,
search, extract, translate, fuse,
mine, summarize, alert, ...**

Instrumentation and Intelligent Multimodal Participants



Enterprise Collaboration Center

- **Enterprise-wide Knowledge Management for the Army**
 - “The Army’s Hard Drive”
 - Fully Integrated with the AKO Portal
 - Provides a High Level of Security – Restricted Access
 - Search
 - Personalized Notifications (“Information Finds You”)
 - Version Control
 - User-Friendly Screens, Tutorials and Help Files
- **Enabling Army-Wide Collaboration**
 - Community Storage
 - Personal and “Team” Storage
 - Workflow
 - Real-Time Chat
 - Send Document Links Directly to Other Users

Web-Enabled Benefits

Data Mining & Access



Transform & View Data



Diverse System Interoperability

Extract Portions of Document

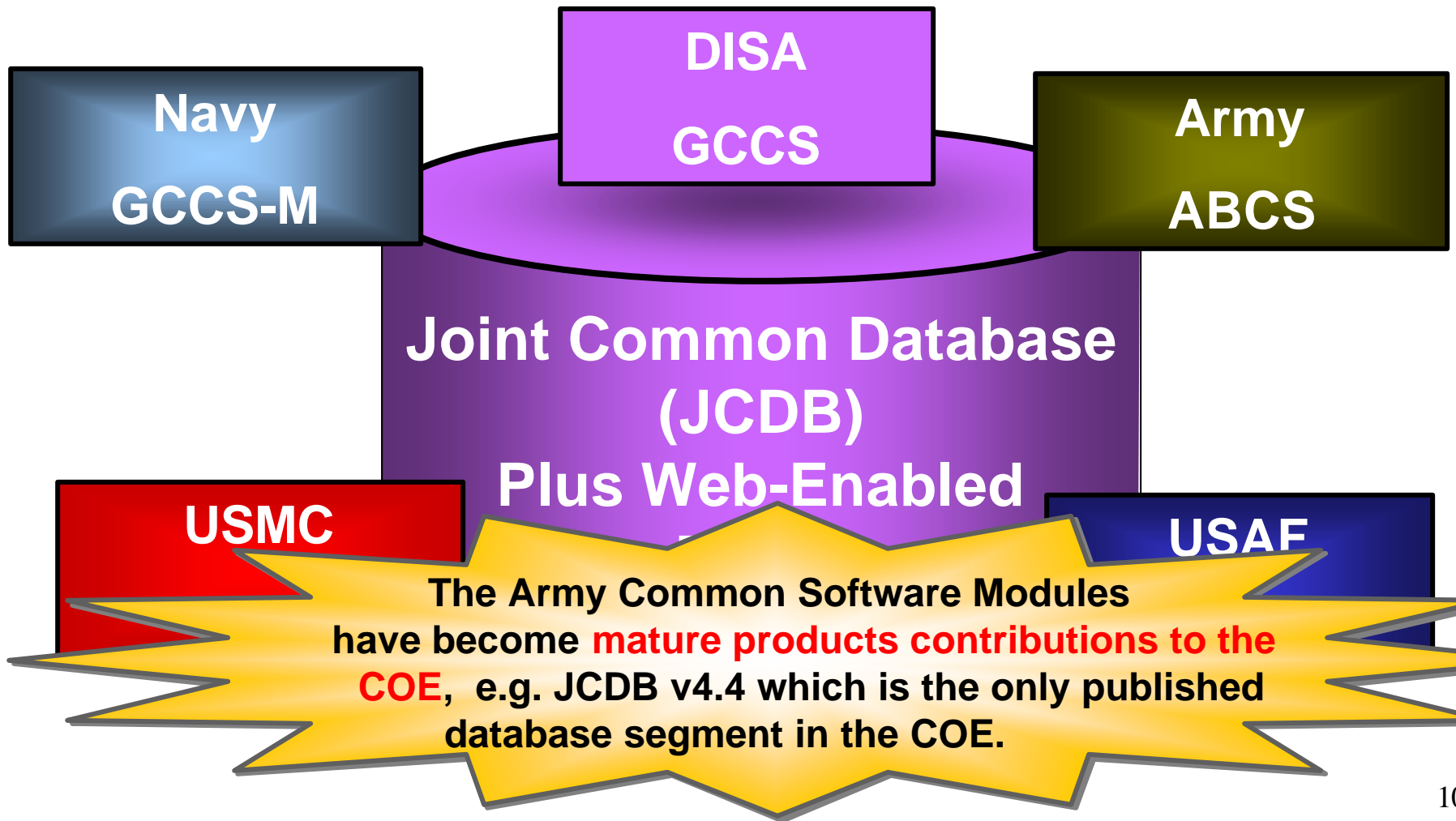


Hyperlinks

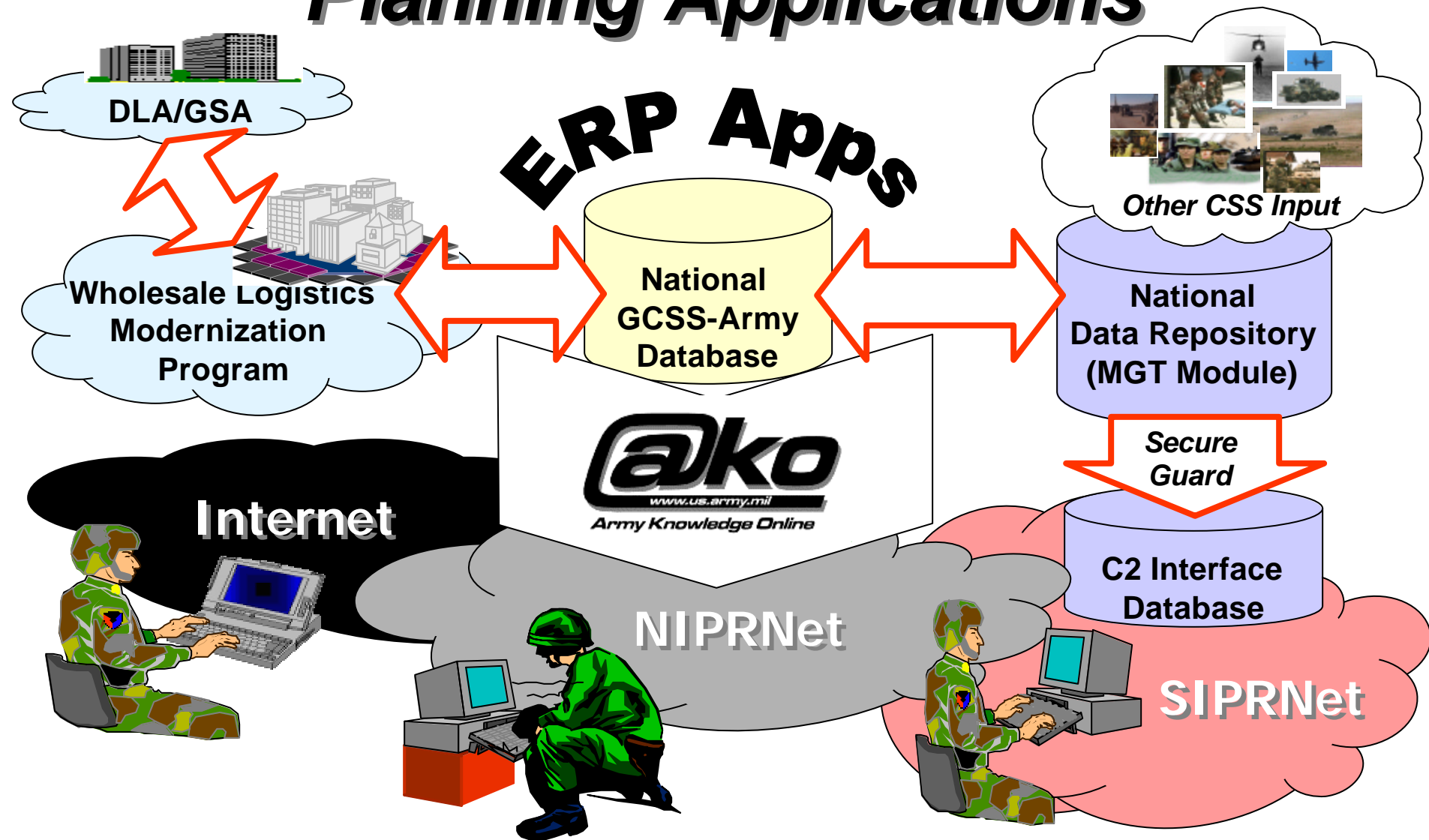
Common Message Exchange/Format

Common Database Exchange/Format

Exploiting Web-Enabled Technology



Leveraging Enterprise Resource Planning Applications



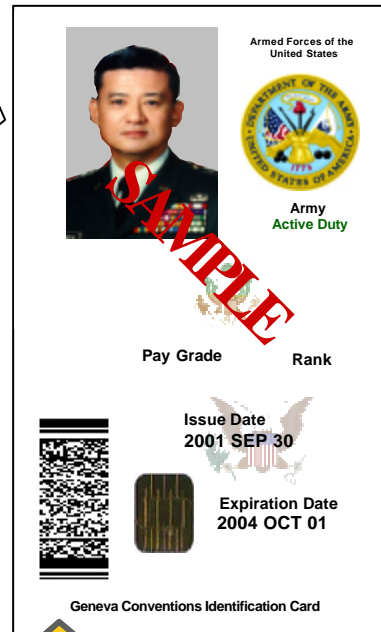
GCSS-Army Notional Web Architecture

What's CAC and Why Are We Implementing It?

Common Access Card . . . An Enabling Tool For Change!



Personnel
Identification



Building Access

PKI-Enabled

Systems and
Network Access

Over 1.2M CACs will be
issued to Active, Reserve,
Guard, DA Civilians and
eligible contractors



- Theater Army Medical Information
- Medical Patient Accounting
- Credit/Charge Card/Payroll Deductions for Meal Entitlements



- Equipment & Tool Control
- Small Arms Assignment & Tracking



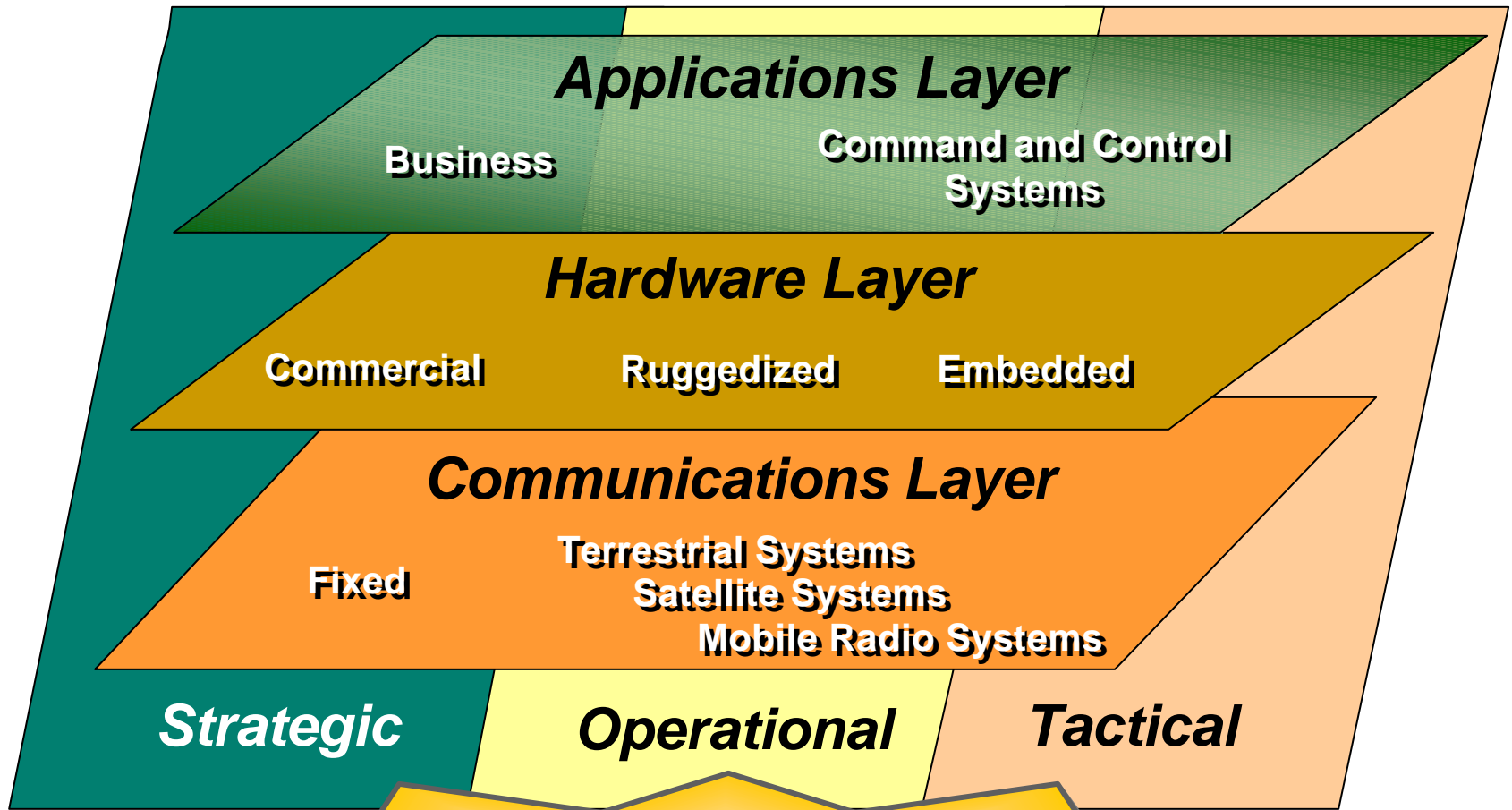
- Request/Authorization of Temporary Duty (TDY)
- Ticketless Travel



PKI

- Internet/LAN Access
- Encryption & Authentication for Functional Applications

Army Knowledge Enterprise



***Army's portion of the
Global Information Grid***

Army Knowledge Enterprise

Legacy/Interim Force Applications

An Integrated C4I Systems Framework gives the Joint GCCS full MILSTD 2525 support

Army Battle Command System

Army Business

Client-Server
Web-Based

AKO

AKO-S

GCCS

GCCS-A

Army Tactical Command & Control Systems

Force XXI Battle Command Brigade & Below

Sustaining Base

GCCS

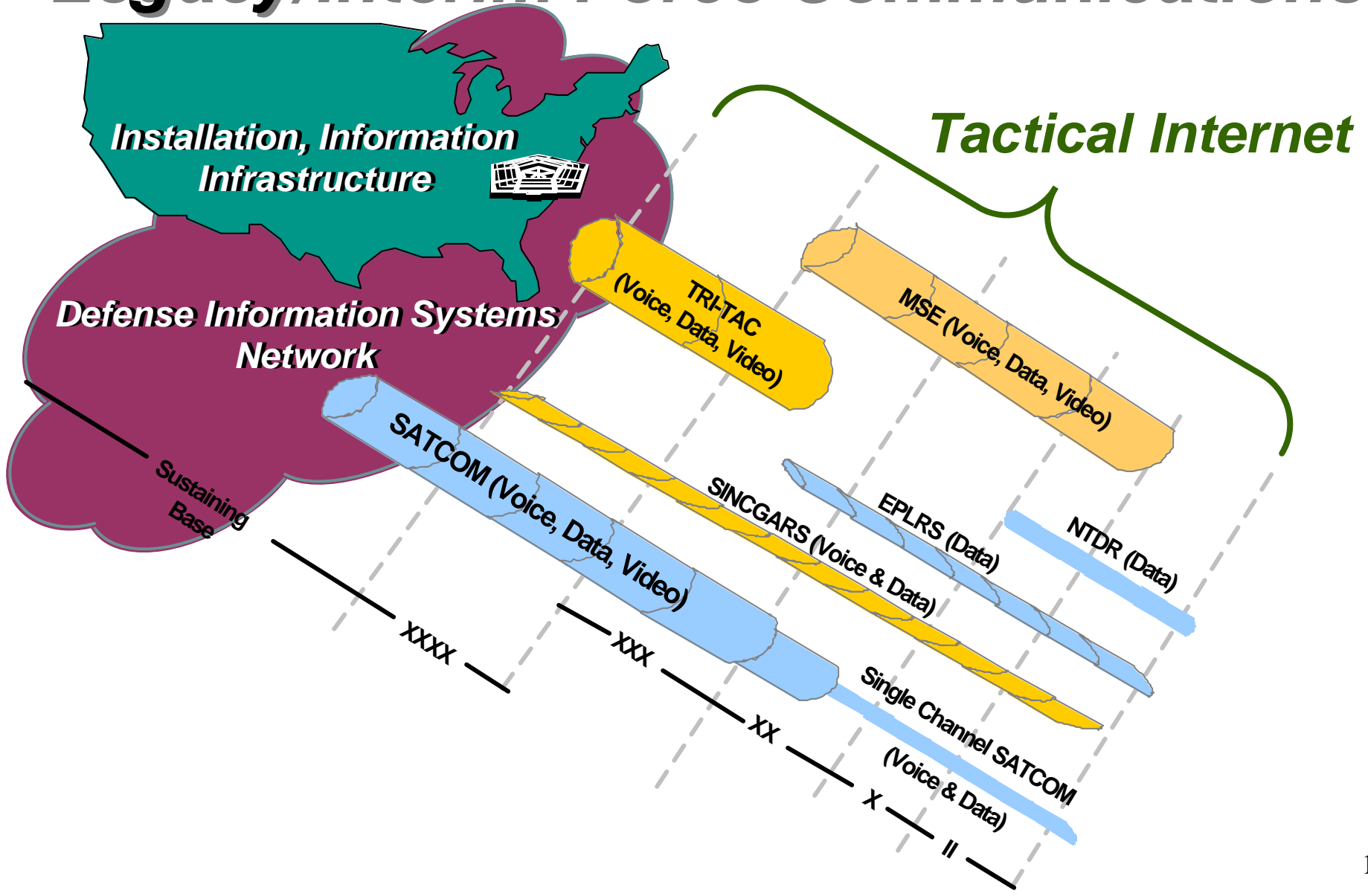
GCCS-A

Combat Service Support
Related Systems

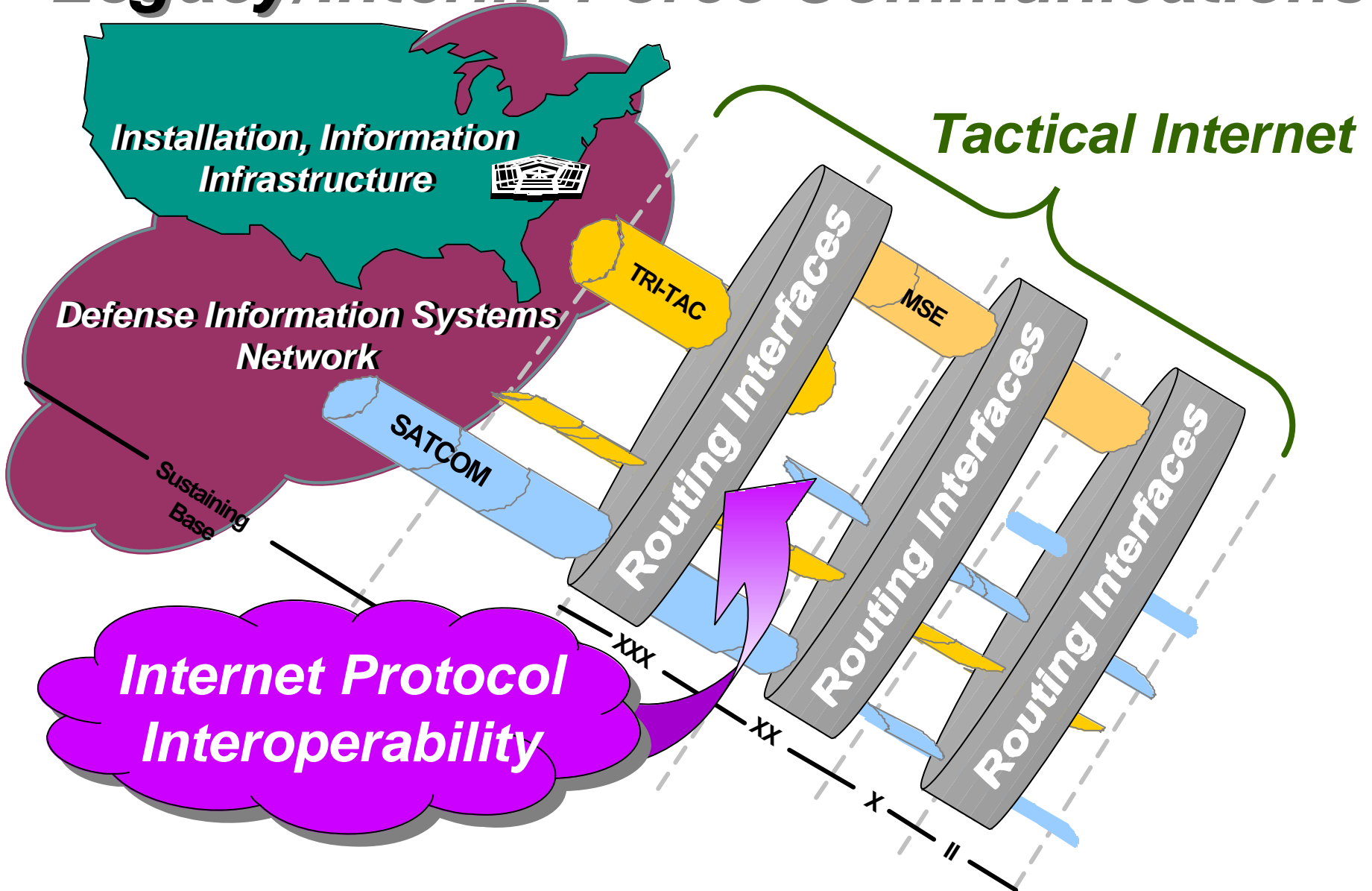
The Army Software Blocking Policy establishes the **DA level policy** that provides a structured framework and timeline.



Army Knowledge Enterprise Legacy/Interim Force Communications

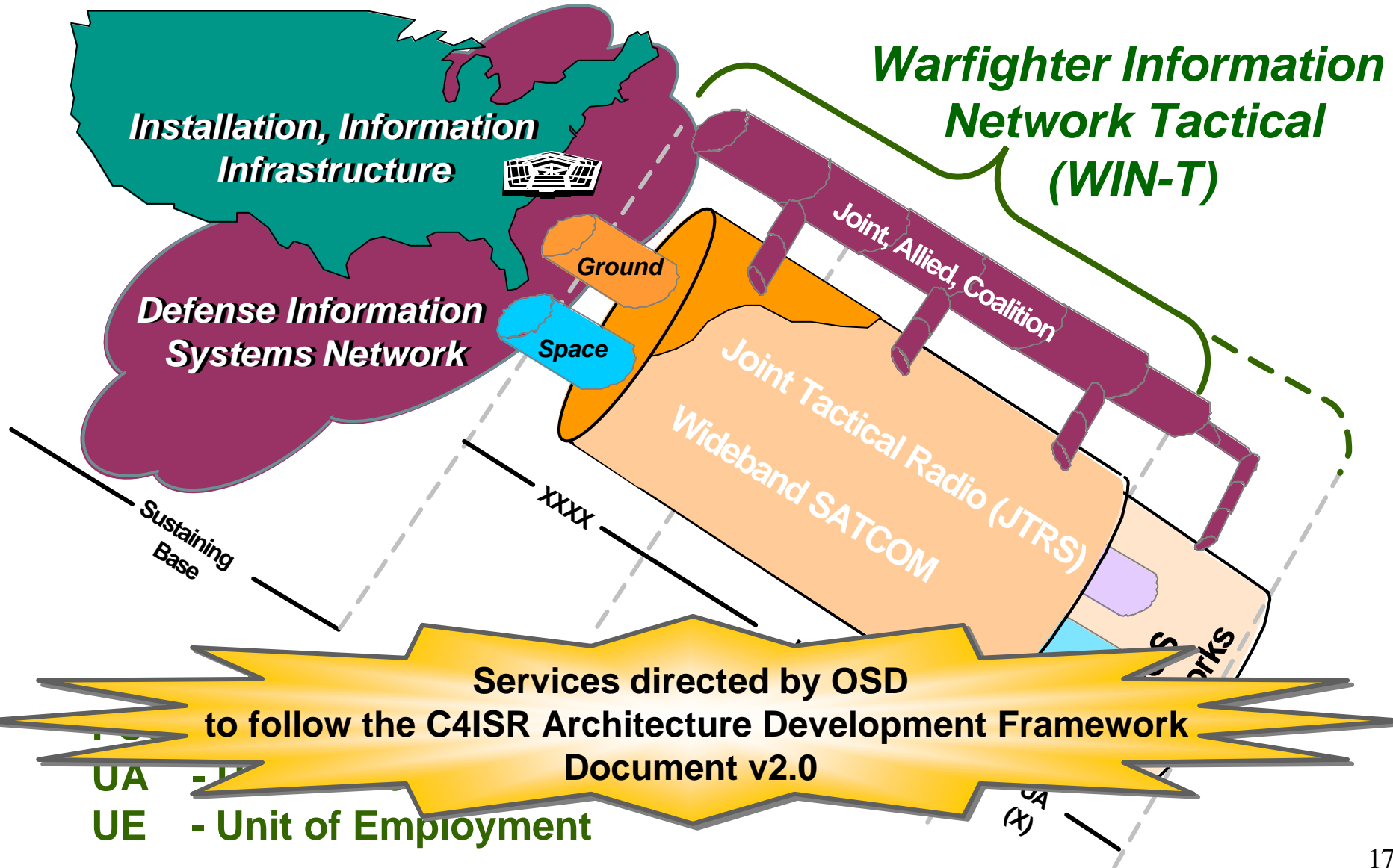


Army Knowledge Enterprise Legacy/Interim Force Communications



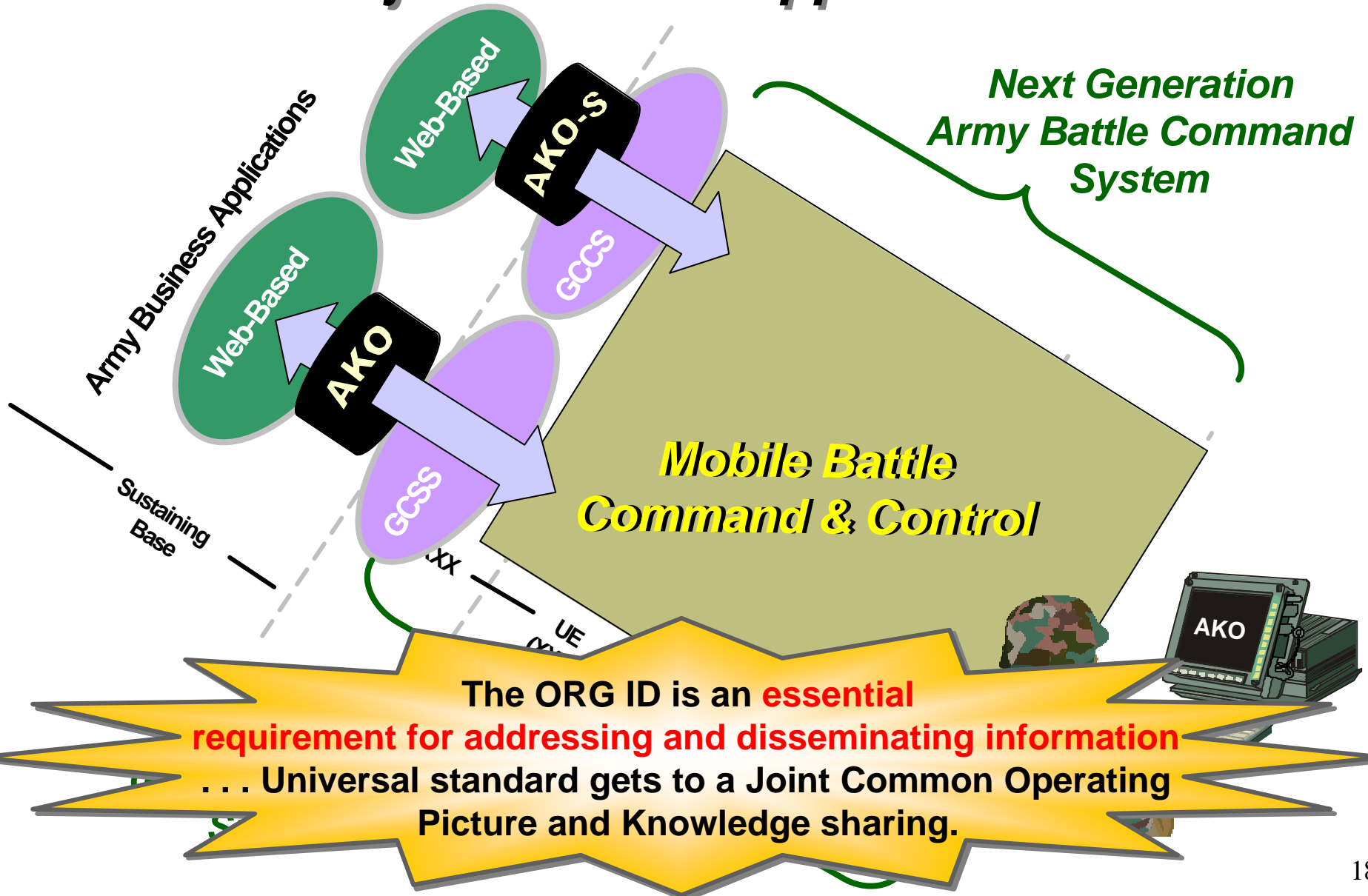
Army Knowledge Enterprise

Objective Force Communications

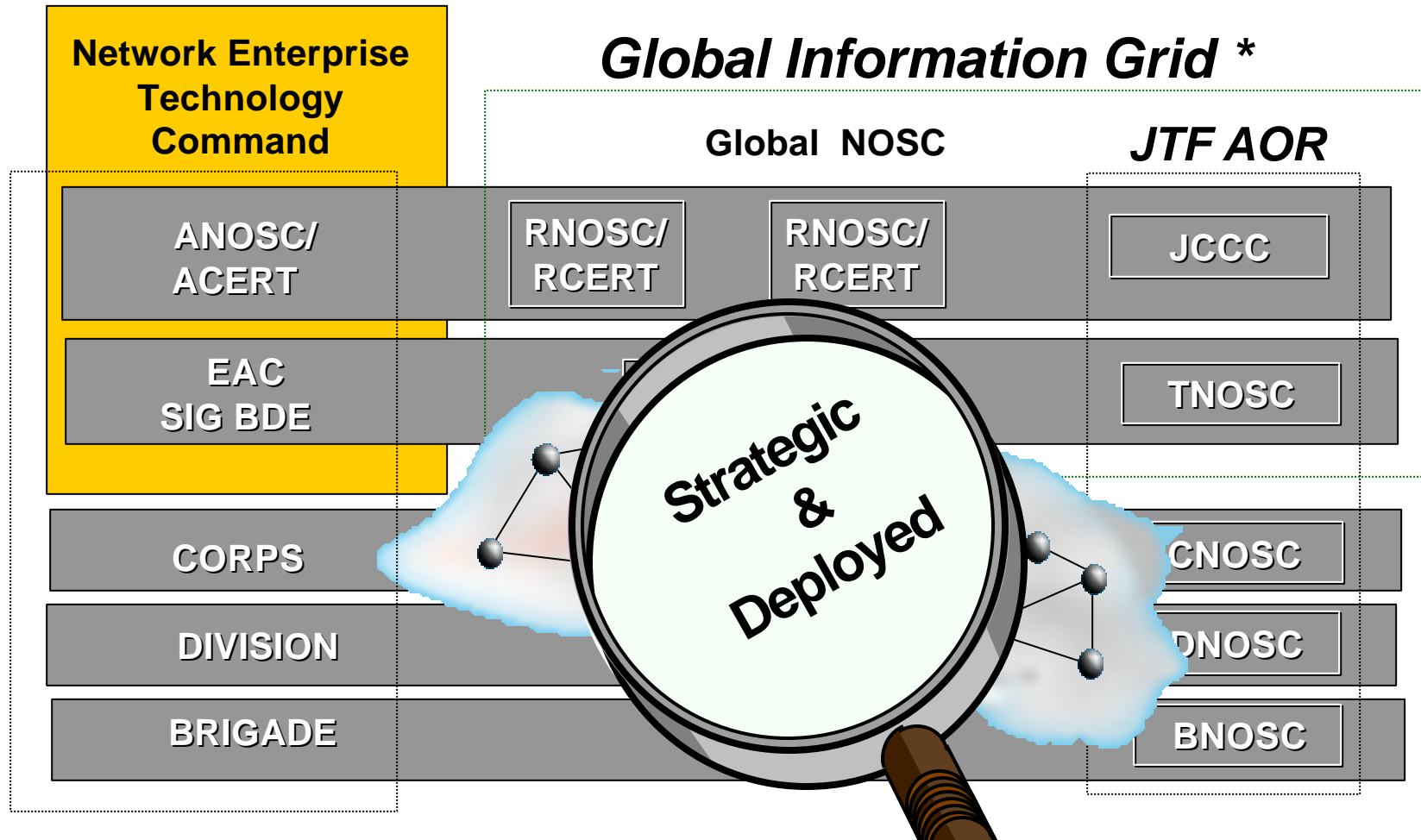


Army Knowledge Enterprise

Objective Force Applications



Enterprise Network Operations Safeguarding Interoperability



**** Active Army, Army Reserve and Army National Guard***

AKM Supporting Interoperability

